

CLAIMS

I claim:

1. An Internet service gateway for controlling an access to an
5 Internet web-site from a group of users comprising:

an Internet traffic monitor for logging and analyzing a
number of Internet accesses to each of a plurality of Internet
web-sites from said group of users through said Internet
10 service gateway; and

an Internet access blocking means for employing said
number of Internet accesses for generating a list of traffic
profile-suspect web-sites statistically conformed to a
15 blocking-suspect-profile for selecting a list of blocking web-
sites among said traffic-profile conforming list.
2. The Internet service gateway of claim 1 wherein:

20 said Internet traffic monitor further includes a traffic logger
for continuously monitoring said Internet accesses and for
generating an Internet traffic log .
3. The Internet service gateway of claim 1 wherein:

25 said Internet traffic monitor further includes a traffic
analyzer for continuously counting and analyzing said
Internet accesses to each of said Internet web-sites for
generating said list of traffic profile-suspect Internet web-
30 sites.

4. The Internet service gateway of claim 1 wherein:

5 said Internet access blocking means further includes a user interface for an access controller to provide a selection input for selecting said list of blocking web-sites among said list of traffic profile- suspect web-sites.

5. The Internet service gateway of claim 4 wherein:

10 said Internet access blocking means further includes an editor for allowing said access controller to edit said selection input for selecting said list of blocking web-sites among said list of traffic profile- suspect web-sites.

- 15 6. The Internet service gateway of claim 4 wherein:

said user interface further allows said access controller to provide an access-allowed list for selecting a list of access-allowed web-sites for removing said access-allowed web-sites from said list of traffic profile- suspect web-sites.

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7. The Internet service gateway of claim 3 wherein:

25 said traffic analyzer further includes a most-frequently visited web-site counter for continuously counting and analyzing said Internet accesses to each of said Internet web-sites for generating a list of most frequently-visited web-sites for implementation as said list of traffic profile-suspect Internet web-sites.

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8. The Internet service gateway of claim 3 wherein:

5 said traffic analyzer further includes a traffic-volume analyzer for continuously counting a traffic volume to each of said Internet web-sites for generating a list of most traffic-generated web-sites implementation as said list of traffic profile-suspect Internet web-sites.

10 9. An Internet service gateway for controlling an access to an Internet web-site from a group of users comprising:

15 a traffic logger for continuously monitoring a number of Internet accesses to each of a plurality of Internet web-sites from said group of users through said Internet service gateway for generating an Internet traffic log;

20 a traffic analyzer for continuously counting and analyzing said Internet traffic log for generating a list of traffic profile-suspect Internet web-sites statistically conformed to a blocking suspect traffic-profile;

25 an editor for allowing said access controller to edit a selection input for selecting said list of blocking web-sites among said list of traffic profile-suspect web-sites; and

30 a user interface to allow said access controller to provide said selection input to block access to a list of blocking web-sites among said list of traffic profile-suspect-web-sites.

10. An Internet service gateway for controlling an access to a networked node from a group of users comprising:

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a network traffic controller for continuously monitoring and analyzing accesses to a plurality of networked nodes from said group of users to enable an option for selectively blocking access to one of said networked nodes according to data analyzed from continuously monitoring and analyzing of said accesses.

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11. The Internet service gateway of claim 10 further comprising:

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a gateway administer interface for enabling a gateway administer to select a blocking list for selectively blocking access to one of said networked nodes according to data obtained from continuously monitoring and analyzing said accesses.

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12. A method for controlling an access to an Internet web-site from a group of users comprising:

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continuously logging and analyzing a number of Internet accesses to each of a plurality of Internet web-sites from said group of users through an Internet service gateway; and

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statistically analyzing said number of Internet accesses for generating a list of traffic profile-suspect web-sites statistically conformed to a blocking-suspect traffic profile for selecting a list of blocking web-sites among said list traffic profile-suspect web-sites.

13. The method of claim 12 wherein:

5 said step of continuously logging and analyzing said
 number of Internet accesses to each of said plurality of
 Internet web-sites further includes a step of employing a
 traffic logger for continuously monitoring said Internet
 accesses and for generating an Internet traffic log.

14. The method of claim 12 wherein:

10 said step of continuously logging and analyzing said
 number of Internet access to each of said plurality of Internet
 web-sites further includes a step of employing a traffic
 analyzer for continuously analyzing and ranking said
15 Internet accesses to each of said Internet web-sites to
 generate said list of traffic profile-suspect Internet web-sites.

15. The method of claim 12 wherein:

20 said step of analyzing said number of Internet accesses for
 generating a list of traffic profile-suspect web-sites for
 selecting a list of blocking web-sites further includes a step
 of employing a user interface for allowing a gateway
 administer to provide entries of the list of blocking web-
25 sites.

16. The method of claim 12 wherein:

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said step of employing said number of Internet accesses for generating a list of traffic profile-suspect web-sites for selecting a list of blocking web-sites further includes a step of employing an editor for allowing said gateway administer to edit said selection input for selecting said list of blocking web-sites among said list of traffic profile-suspect web-sites.

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17. The method of claim 16 wherein:

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said step of employing an editor for allowing said gateway administer to edit said selection input further comprising a step of allowing said access controller to provide an access-allowed list for selecting a list of access-allowed web-sites for removing said access-allowed web-sites from said list of traffic profile- suspect web-sites.

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18. The method of claim 15 wherein:

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said step of employing said number of Internet accesses for generating a list of traffic profile-suspect web-sites for selecting a list of blocking web-sites further includes a step of generating a most-frequently visited web-site for implementation as said list of traffic profile-suspect Internet web-sites.

19. The method of claim 15 wherein:

5 said step of employing said number of Internet accesses for generating a list of traffic profile-suspect web-sites for selecting a list of blocking web-sites further includes a step of generating a list of most traffic-generated web-sites
10 implementation as said list of traffic profile-suspect Internet web-sites through a step of continuously counting traffic volume to each of said Internet web-sites.

20. A method for controlling an access to an Internet web-site from a group of users comprising:

15 employing a traffic logger for continuously monitoring a number of Internet accesses to each of a plurality of Internet web-sites from said group of users through a Internet service gateway for generating an Internet traffic log;

20 employing a traffic analyzer for continuously counting and ranking said Internet accesses to each of said Internet web-sites and for generating a list of traffic profile-suspect Internet web-sites;

25 employing an editor for allowing said access controller to edit a selection input for selecting said list of blocking web-sites among said list of traffic profile-suspect web-sites; and

30 employing a user interface to allow said access controller to provide entries directly to a list of blocking web-sites among said list of traffic profile-suspect web-sites.

21. A method for controlling an access to a networked node
from a group of users comprising:

5 continuously monitoring and analyzing accesses to a
plurality of networked nodes from said group of users to
enable an option for selectively blocking access to one of said
networked nodes according to data obtained from
continuously monitoring and analyzing said accesses.

10 22. The method of claim 21 further comprising:

allowing a gateway administer to select a blocking list for
selectively blocking access to one of said networked nodes
according to data obtained from continuously monitoring
15 and analyzing said accesses.